

REMARKS

Claims 1-21 are pending in this application. By this Amendment, claims 1, 10 and 20 are amended. New claim 21 is added to recite additional subject matter supported in the specification, for example, at least at paragraphs [0028]-[0035] and Figs. 5, 6 and 9. No new matter is added. Reconsideration in view of the above amendments and following remarks is respectfully requested.

The Office Action rejects claims 1, 10 and 20 under 35 U.S.C. §102(e) as being anticipated by Kim (U.S. Publication No. 2005/0069071); and rejects claims 2-9 and 11-19 under 35 U.S.C. §103(a) as being unpatentable over Kim. Applicants respectfully traverse these rejections.

Kim fails to disclose or suggest a method for recovering data including reducing false locks by setting a size of increase or decrease of a phase shift based on a zone in which the edge transition is detected, the size being set to a first value if the zone is a lock zone and to a second value if the zone is a far-to-lock zone, as recited in independent claim 1 and similarly recited in independent claims 10 and 20.

Kim, at Fig. 1, elements 110, 112 and paragraphs [0029] - [0031], discloses that a sampler and a phase detector are used to process the directives UP/DN to deduce a compensation for data drift. Data drift is due to the fact that data is coming from a reference clock source slightly different to the local source. Kim discloses the use of a sampler and phase detector to track two separate emitters at a particular frequency that do not give the exact same frequency from different locations. In particular, thus, Kim fails to disclose the use of a sampler and a phase detector to process the location of the data edge during a lock acquisition to speed it up by changing the step size.

Thus, Kim fails to disclose or suggest a method for recovering data including reducing false locks by setting a size of increase or decrease of a phase shift based on a zone in which

the edge transition is detected, the size being set to a first value if the zone is a lock zone and to a second value if the zone is a far-to-lock zone, as recited in independent claim 1 and similarly recited in claims 10 and 20.

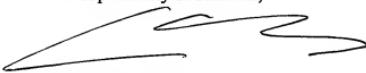
In accordance with the above remarks, independent claims 1, 10 and 20 define patentable subject matter. Claims 2-9 and 11-19 depend from claims 1 and 10, respectively, and therefore are patentable for the same reasons, as well as for the additional features recited therein. Thus, Applicants respectfully request that the Examiner withdraw the rejections.

New independent claim 21 defines patentable subject matter.

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-21 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



James A. Oliff
Registration No. 27,075

Gang Luo
Registration No. 50,559

JAO:EXC/jgg

Date: October 15, 2007

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

<p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p>
--